



# 1064 nm Polarization Maintaining Filter Coupler (PMFC Series)

Rev 11

## Description

The 1064 nm Polarization Maintaining Filter Coupler is manufactured by using advanced technology to allow the input signal to be split at various ratios with high extinction ratio.

## Key Features

- High Extinction Ratio
- Low Polarization Dependent Loss

## Applications

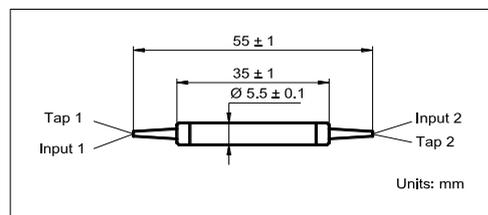
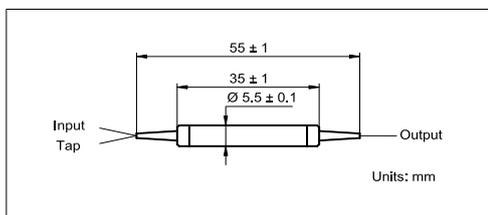
- Fiber Lasers
- Raman Amplifier
- System Monitoring

## Specifications

Parameter	Unit	Value	
Center Wavelength ( $\lambda_c$ )	nm	1064	
Operating Wavelength Range	nm	$\lambda_c \pm 20$	
Configuration	-	1 × 2	2 × 2
Max. Excess Loss, 23 °C	dB	0.8	1.1
Tap Ratio	%	1 ± 0.5, 5 ± 1, 10 ± 2, 50 ± 5	
Min. Return Loss	dB	50	50
Min. Extinction Ratio, 23 °C	dB	20	18
Max. PDL (For SM Fiber Type), 23 °C	dB	0.1	
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Fiber Type	-	HI 1060 or PM 980 Panda Fiber for Tap Port	
	-	PM 980 Panda Fiber for input & output ports	
Operating Temperature	°C	- 5 to + 70	
Storage Temperature	°C	- 40 to + 85	

<sup>1</sup>IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

## Package Dimensions



## Ordering Information

PMFC-①①-②-③③-④-⑤-⑥-⑦-B

①①: Wavelength

②: Configuration

③③: Coupling Ratio

④: Connector Type

06 - 1064 nm

1 - 1 × 2

01 - 1/99

1 - FC/UPC

SS - Specify

2 - 2 × 2

05 - 5/95

2 - FC/APC

10 - 10/90

3 - SC/UPC

50 - 50/50

4 - SC/APC

SS - Specify

N - None

S - Specify

⑤: Fiber Jacket  
B - 250  $\mu$ m Bare Fiber  
L - 900  $\mu$ m Loose Tube  
S - Specify

⑥: Fiber Type for Tap Port  
H - HI 1060 Fiber  
P - PM Panda Fiber  
S - Specify

⑦: Fiber Length  
Q - 0.75 m  
S - Specify



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